

Annex 1

to the Rules for conferring academic ranks

(associate professor (docent))

The form

Information

about the applicant for the title of associate professor (docent)

specialty 20500 – Materials Engineering (05.17.00 – Chemical Technology)

1	Full name	Gulnur Kalimuldina
2	Scientific (academic) degree, date of award	Ph.D., 20 Sept 2017
3	Academic title, date of award	-
4	Honorary title, date of award	-
5	Position (appointed to the position)	By № 20 contract of 14.02.2012, "Nazarbayev University" was appointed to the position of Teaching Assistant then Postdoctoral Scholar. Currently holds Assistant Professor position.
6	Seniority of scientific, scientific and pedagogical activity	12 years in total, 5 years of scientific and pedagogical position: 3 years as a Postdoctoral Scholar, 2 years as an Assistant Professor
7	Number of scientific articles after defending a dissertation (associate professor)	After defending the dissertation, she has a total of 33 published scientific works, including: 1 – in recommended journals by Ministry; 31 - in international peer-reviewed scientific journals included in Web of Science Core Collection database; 31 in Scopus.
8	The number of monographs, textbooks, single-written educational (training) manuals published over the past 5 years	-

9	Persons defending a thesis under his leadership and having a degree	-
10	The laureates, prize-winners of national, international and foreign competitions, exhibitions, festivals, awards, and olympiads prepared under his leadership.	<ul style="list-style-type: none"> Supervised NU undergraduate student who received awards from YRA (https://yrascience.kz/) for student projects from 2019-2020: FRIP grant (2019), " Development of tactile sensors applying PVDF material". Supervising Nursultan Turdakyn (BSc, SEDS). Supervised student finalists in the Student Energy Challenge 2023 from KAZENERGY (Zhassulan Turar (3rd year UG student) and Merey Sembay (3rd year UG student)).
11	The champions or prize-winners of the World Universiades, the championships of Asia and the Asian Games, the champion or prize-winner of Europe, trained under his leadership,	-
12	Additional Information	<p>Hirsch Index – 12 (Google Scholar).</p> <p>2023: The State Scientific Scholarships for Young Scientists from Ministry of Higher Education and Science</p> <p>2023: Receiver of the award “Woman Researcher in Renewable Energy Sources” from EY and KAZENERGY</p> <p>2016: TEPCO Memorial Foundation Japan, international conference attendance grant</p> <p>2016: Corporate Fund Japan, international conference attendance grant</p> <p>2013: The Monbukagakusho Scholarship by the Japanese Ministry of Education, Culture, Sports, Science and Technology</p> <p>2010: The Bolashak International Scholarship</p> <p>2 Kazakhstani patents •G. Kalimuldina, Y. Nurmakanov, R. Kruchinin,</p>

	<p>“Method for preparation a flexible wearable single-electrode triboelectric nanogenerator”, patent #7065, issued 29.03.2022.</p> <p>• G. Kalimuldina, N. Turdakyn, Z. Bekezhankzyzy, “Method of producing flexible high-performance piezoelectric nano-generator”, patent #7643, issued 02.12.2022.</p>	<p><u>PI of the projects:</u></p> <ul style="list-style-type: none"> ▪ “Mechanical energy harvesting system based on hybrid nanogenerators” 2022-2024 – Ministry of Education and Science of the Republic of Kazakhstan grant – USD 170,000 ▪ “Novel Approaches on Interface Strengthening between Metal Surface and Polymeric Material” 2023-2025 – NU CRP grant – USD 450,000 ▪ “Smart Robotic Grippers Integrated with Novel Triboelectric Sensors” 2023-2025 – NU FDCRPG grant – USD 150,000 ▪ “Self-charging rechargeable lithium-ion battery” based on mechanical energy harvesting 2020-2022 – FDCRPG NU grant – USD 60,000 ▪ “Development of wearable self-charging power unit” based on mechanical energy harvesting 2020-2022 – MES Young Researchers grant – KZT 77,851,006 ▪ “Mechanical energy harvesting by triboelectric nanogenerator” – NU Social Policy Grant – USD 10,000 <p><u>Participating in other projects as a co-PI or leading researcher:</u></p> <ul style="list-style-type: none"> ▪ “Engineering of Multifunctional Materials of Next Generation Batteries” (AP09259764) MES RK, 75 mln tenge for 2021-2023 years. ▪ “Three-dimensional all solid state rechargeable batteries” 2020-2022 –NU CRP grant – USD 450,000
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**Dean of School of Engineering and Digital
Sciences, Nazarbayev University**

Prof. Elizabeth Arkhangelsky